

Title (en)
INK-JET TYPE VEHICLE COATING MACHINE AND VEHICLE COATING METHOD

Title (de)
FAHRZEUGBESCHICHTUNGSMASCHINE VOM TINTENSTRAHLTYP UND FAHRZEUGBESCHICHTUNGSVERFAHREN

Title (fr)
MACHINE DE REVÊTEMENT DE VÉHICULE DE TYPE À JET D'ENCRE ET PROCÉDÉ DE REVÊTEMENT DE VÉHICULE

Publication
EP 4134171 A4 20231129 (EN)

Application
EP 20930452 A 20200407

Priority
JP 2020015663 W 20200407

Abstract (en)
[origin: US2022274398A1] Provided are an ink-jet type vehicle coating machine and an ink-jet type vehicle coating method that enable formation of a uniform coating film thickness at a coating portion including an end of a vehicle. In a state where a longitudinal direction of a nozzle head 53 is orthogonal to a scanning direction, a first nozzle array 55A and a second nozzle array 55B are disposed such that droplets discharged from nozzles 54 of the second nozzle array 55B are discharged to intermediate portions between droplets discharged from nozzles 54 adjacent to each other in the first nozzle array 55A. In addition, on the basis of trajectory data for moving the nozzle head 53, attitude data for keeping the longitudinal direction of the nozzle head 53 perpendicular to a main scanning direction of the nozzle head 53 is formed. An arm control unit 110 controls a robot arm on the basis of the trajectory data and attitude data such that, in a state where the nozzle head 53 performs coating while moving in the main scanning direction, the longitudinal direction of the nozzle head 53 is kept perpendicular to the main scanning direction.

IPC 8 full level
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CPC (source: EP US)
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Citation (search report)

- [YA] US 2012200626 A1 20120809 - ORR CRAIG [US]
- [YA] US 2010079544 A1 20100401 - SUMI KATSUTO [JP]
- [YA] JP 2006281776 A 20061019 - FUJI PHOTO FILM CO LTD
- See references of WO 2021205537A1

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